

Converting Colors

$Y_{xy}(71.0757, 0.2633, 0.2220)$

Have a look what the booklet for
Yxy(71.0757, 0.2633, 0.2220)
contains.

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Color

Yxy(66.3169, 0.2992, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	E9C9FF
RGB	233, 201, 255
RGB Percent	91%, 79%, 100%
CMY	0.0862, 0.2118, 0.0000
CMYK	0.09, 0.21, 0.00, 0.00
HSL	276°, 100%, 89%
HSV	276°, 21%, 100%
XYZ	72.5485, 66.3169, 103.6095
YIQ	216.7240, 1.7380, 23.5780

Conversions

Conversions Part 2

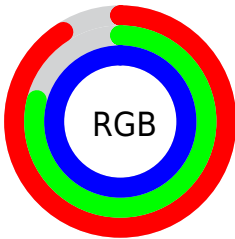
Format	Color
R _Y B	233, 201, 255
Decimal	15321599
CIE _{Lab}	85.16, 20.92, -22.31
CIE _{LCh}	85, 30.584, 313.165
Y _{xy}	66.3169, 0.2992, 0.2735
Android (android.graphics.Color)	4293511679 (0xFFE9C9FF)
Y _{UV}	216.7240, 18.8701, 14.2741
Hunter-Lab	81.4352, 16.5095, -18.4297

Details

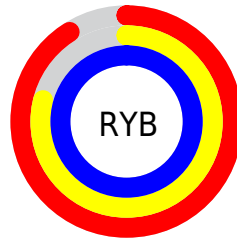
The Yxy color **66.3169, 0.2992, 0.2735** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.4213, 0.3237, 0.3857**, and the grayscale version is **69.0579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.2918, 0.2957, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **53.7036, 0.2912, 0.2451**, and if you desaturate by 10%, it is **81.0079, 0.3062, 0.3007**.

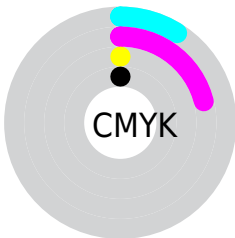
Distribution



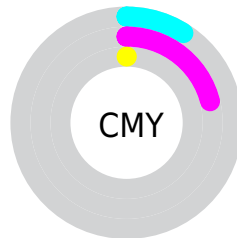
- Red (91%)
- Green (79%)
- Blue (100%)



- Red (91%)
- Yellow (79%)
- Blue (100%)



- Cyan (9%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3169, 0.2992, 0.2735 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 66.3169, 0.2992, 0.2735 by changing the saturation by 10% instead.


 66.3169, 0.2992,
0.2735

 66.3169, 0.2992,
0.2735


447.5094, 0.3059,
0.2985

 48.5297, 0.2976,
0.2680


113.9410, 0.3016,
0.2820

 34.2466, 0.2955,
0.2612

144.5468, 0.3025,
0.2854

 23.0831, 0.2929,
0.2528


180.1942, 0.3033,
0.2883

 14.6549, 0.2893,
0.2420

221.2676, 0.3040,
0.2909

 8.5775, 0.2842,
0.2278

268.1514, 0.3045,
0.2931

 4.4667, 0.2766,
0.2083

321.2300, 0.3050,

 1.9379, 0.2642,

0.2951

0.1801

380.8879, 0.3055,
0.2969

0.5710, 0.2431,
0.1295

0.0000, 0.0013,
0.0000

66.3169, 0.2992,
0.2735

66.3169, 0.2992,
0.2735

53.7036, 0.2912,
0.2451

81.0079, 0.3062,
0.3007

43.0667, 0.2820,
0.2162

97.8666, 0.3121,
0.3261

34.2994, 0.2719,
0.1879

100.0000, 0.3127,
0.3290

27.2840, 0.2612,
0.1615

■ 21.8886, 0.2500,
0.1384

■ 17.9622, 0.2390,
0.1198

■ 15.3237, 0.2285,
0.1064

■ 13.8188, 0.2199,
0.0985

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.3169, 0.2662, 0.2671



66.3169, 0.2992, 0.2735



66.3169, 0.3379, 0.2925

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.3169, 0.2992, 0.2735



66.3169, 0.3828, 0.3792



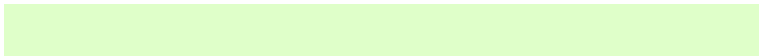
66.3169, 0.2568, 0.3341

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66.3169, 0.2992, 0.2735



91.4213, 0.3237, 0.3857

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.3169, 0.2855, 0.3700



66.3169, 0.2992, 0.2735



66.3169, 0.3585, 0.3958

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.3169, 0.2992, 0.2735



66.3169, 0.3879, 0.3514



66.3169, 0.3226, 0.3933



66.3169, 0.2430, 0.2993

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.3169, 0.2992, 0.2735



66.3169, 0.3614, 0.3104



66.3169, 0.3226, 0.3933



66.3169, 0.2649, 0.3466

Sweetspot

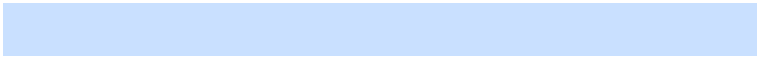
The Sweet Spot groups the original color and five complimentary colors.



66.3177, 0.2992, 0.2735



89.4616, 0.3094, 0.3141



72.6783, 0.2787, 0.2950



18.9133, 0.3090, 0.3125



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3177, 0.2992, 0.2735



61.2571, 0.2963, 0.2628



69.9646, 0.3184, 0.2803



17.9102, 0.3072, 0.3051



7.3101, 0.2214, 0.0993



0.7756, 0.2324, 0.1054

Inverse Universe

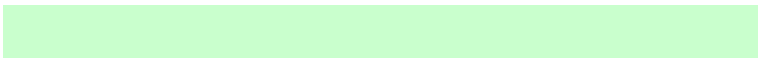
The Inverse Universe completely reimagines the original color for something new.



68.3576, 0.3386, 0.3068



63.6509, 0.3445, 0.3026



88.3686, 0.3075, 0.3831



18.1096, 0.3230, 0.3194



11.6567, 0.5355, 0.2724



1.1560, 0.5056, 0.2559

Previews

White Background



This preview shows how the Yxy color 66.3169, 0.2992, 0.2735 looks on a white background.

Color Contrast Check

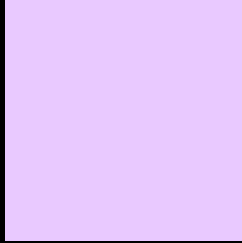
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 66.3169, 0.2992, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

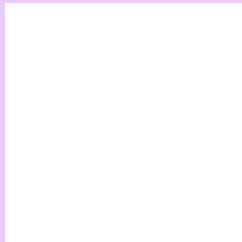
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3169, 0.2992, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 66.3169, 0.2992, 0.2735.

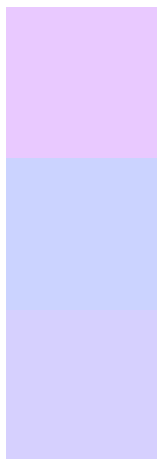


This preview shows how white text looks on a background with the Yxy color 66.3169, 0.2992, 0.2735.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

66.3169, 0.2992, 0.2735

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

66.5636, 0.2867, 0.2800



Tritanopia

66.4473, 0.3173, 0.3117

Trichromacy



Original Color

66.3169, 0.2992, 0.2735

Protanomaly

66.1418, 0.2861, 0.2779

Deuteranomaly

66.1906, 0.2914, 0.2774

Tritanomaly

66.4838, 0.3105, 0.2972

Monochromacy



Original Color

66.3169, 0.2992, 0.2735

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.0460, 0.3079, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3169, 0.2992, 0.2735 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 201, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.3169, 0.2992, 0.2735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 201, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 201, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3169, 0.2992, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 201, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
201, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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